



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12291608
SAU: MSAD 35
School: Marshwood Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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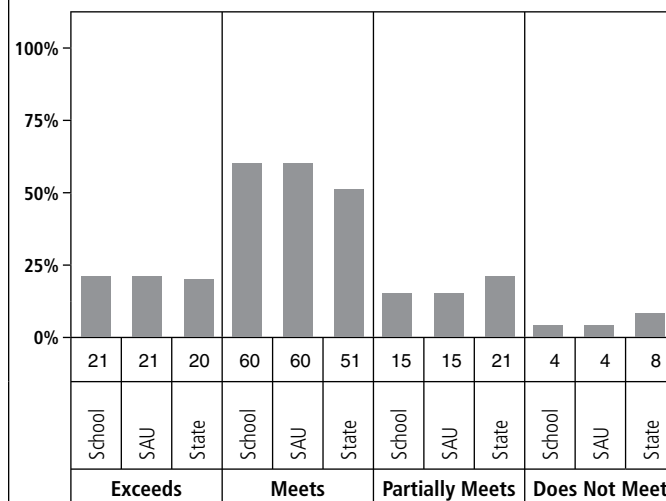
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

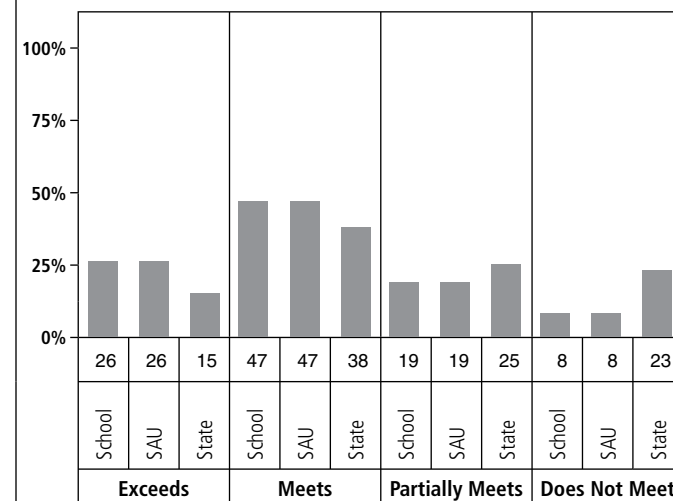
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	852	852	847
2007–2008	852	852	849
2008–2009	853	853	850
Cum. Avg.*	852	852	849
Mathematics			
2006–2007	846	846	842
2007–2008	846	846	841
2008–2009	851	851	843
Cum. Avg.*	848	848	842
Science			
2008–2009 **	853	853	846

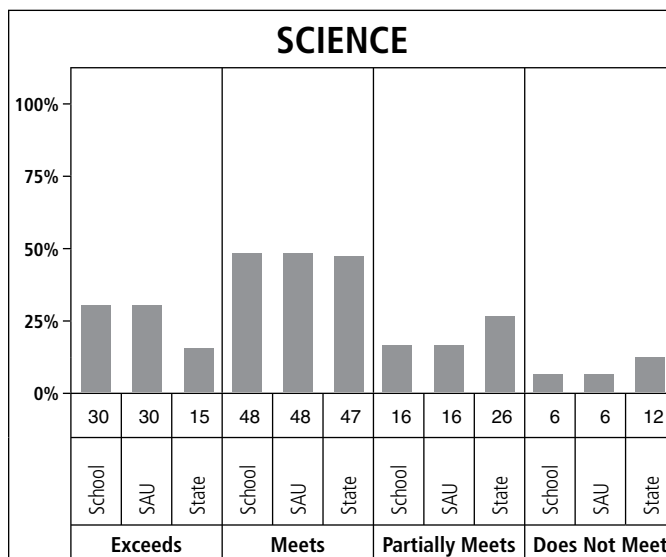
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 8
 SAU: MSAD 35
 School: Marshwood Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	195	100	195	100	14804	100	195	100	195	100	14659	99	195	100	195	100	14653	99	195	100	195	100	14626	99
Ethnicity African American/Black	2	1	2	1	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	1	1	1	1	119	1	1	100	1	100	117	99	1	100	1	100	115	97	1	100	1	100	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	2	1	2	1	192	1	2	100	2	100	188	98	2	100	2	100	191	100	2	100	2	100	190	99
Caucasian/White	189	97	189	97	13878	94	189	100	189	100	13756	99	189	100	189	100	13742	99	189	100	189	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	22	11	22	11	2489	17	22	100	22	100	2434	99	22	100	22	100	2424	98	22	100	22	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	30	15	30	15	5460	37	30	100	30	100	5380	99	30	100	30	100	5377	99	30	100	30	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	177	91	177	91	12132	82	177	91	177	91	12124	82	177	91	177	91	12169	82
Identified disability (PET/IEP)	4	2	4	2	379	3	4	2	4	2	380	3	4	2	4	2	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
Participation with accommodations	15	8	15	8	2349	16	15	8	15	8	2347	16	16	8	16	8	2288	15
Identified disability (PET/IEP)	15	100	15	100	1877	80	15	100	15	100	1862	79	16	100	16	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	3	2	3	2	178	1	3	2	3	2	182	1	2	1	2	1	169	1
Identified disability (PET/IEP)	3	100	3	100	178	100	3	100	3	100	182	100	2	100	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	40	21	40	21	2407	16
	2007-2008	48	26	48	26	3428	23
	2008-2009	40	21	40	21	2857	20
	Cum. Total*	128	22	128	22	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	105	55	105	55	7494	49
	2007-2008	98	53	98	53	7179	48
	2008-2009	116	60	116	60	7431	51
	Cum. Total*	319	56	319	56	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	33	17	33	17	3628	24
	2007-2008	25	13	25	13	2706	18
	2008-2009	28	15	28	15	2979	21
	Cum. Total*	86	15	86	15	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	13	7	13	7	1810	12
	2007-2008	15	8	15	8	1611	11
	2008-2009	8	4	8	4	1214	8
	Cum. Total*	36	6	36	6	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	37.9	67.7	37.9	67.7	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	13.1	65.5	13.1	65.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	24.8	68.9	24.8	68.9	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 35
 School: Marshwood Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	192	40	21	116	60	28	15	8	4	853	192	21	60	15	4	853	14481	20	51	21	8	850
Ethnicity																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	2										2						186	17	48	23	12	847
Caucasian/White	186	40	22	113	61	26	14	7	4	853	186	22	61	14	4	853	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	19	0	0	6	32	6	32	7	37	836	19	0	32	32	37	836	2256	2	25	40	34	834
No	173	40	23	110	64	22	13	1	1	855	173	23	64	13	1	855	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	192	40	21	116	60	28	15	8	4	853	192	21	60	15	4	853	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	29	1	3	16	55	8	28	4	14	846	29	3	55	28	14	846	5277	10	46	29	15	844
No	163	39	24	100	61	20	12	4	2	854	163	24	61	12	2	854	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	192	40	21	116	60	28	15	8	4	853	192	21	60	15	4	853	14476	20	51	21	8	850
Gender																						
Female	92	26	28	54	59	10	11	2	2	856	92	28	59	11	2	856	7074	25	51	18	6	852
Male	100	14	14	62	62	18	18	6	6	851	100	14	62	18	6	851	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	192	40	21	116	60	28	15	8	4	853	192	21	60	15	4	853	13624	20	52	20	8	850
Gifted/talented program																						
Yes	9	7	78	2	22	0	0	0	0	867	9	78	22	0	0	867	700	69	30	1	0	867
No	183	33	18	114	62	28	15	8	4	852	183	18	62	15	4	852	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: MSAD 35

School: Marshwood Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	1	0	0	2	100	0	0	0	0	850	1	0	100	0	0	850	8	8	39	29	24	841
B. less than one hour	31	8	14	35	59	12	20	4	7	849	31	14	59	20	7	849	51	17	53	22	8	849
C. one to two hours	57	27	25	67	61	12	11	3	3	855	57	25	61	11	3	855	36	24	52	18	5	852
D. more than two hours	11	5	23	12	55	4	18	1	5	855	11	23	55	18	5	855	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	37	26	37	39	55	6	8	0	0	859	37	37	55	8	0	859	31	35	50	11	4	856
B. good	42	10	12	54	67	14	17	3	4	852	42	12	67	17	4	852	47	16	55	21	7	849
C. fair	19	3	8	22	61	7	19	4	11	846	19	8	61	19	11	846	18	5	47	33	15	842
D. poor	2	1	25	1	25	1	25	1	25	845	2	25	25	25	25	845	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	29	17	31	32	58	5	9	1	2	857	29	31	58	9	2	857	32	27	54	14	5	853
B. They match some of what I have learned.	56	19	18	67	62	16	15	6	6	852	56	18	62	15	6	852	52	18	53	22	8	850
C. They match just a little of what I have learned.	14	4	15	14	54	7	27	1	4	850	14	15	54	27	4	850	12	11	45	29	15	844
D. There is no match.	2	0	0	3	100	0	0	0	0	849	2	0	100	0	0	849	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	14	4	15	18	69	3	12	1	4	853	14	15	69	12	4	853	15	13	42	28	17	844
B. about the same as my regular schoolwork	66	26	21	73	59	18	15	7	6	853	66	21	59	15	6	853	64	19	53	20	7	850
C. easier than my regular schoolwork	21	10	26	24	62	5	13	0	0	854	21	26	62	13	0	854	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	6	1	8	4	33	7	58	0	0	846	6	8	33	58	0	846	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	47	10	11	56	63	16	18	7	8	849	47	11	63	18	8	849	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	47	29	33	55	62	4	4	1	1	858	47	33	62	4	1	858	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	13	19	42	60	13	19	2	3	853	37	19	60	19	3	853	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	54	24	24	64	63	9	9	5	5	854	54	24	63	9	5	854	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	9	3	18	8	47	6	35	0	0	849	9	18	47	35	0	849	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	21	11	27	28	68	2	5	0	0	858	21	27	68	5	0	858	19	26	53	15	6	853
B. 20 minutes to an hour	48	23	25	51	55	15	16	3	3	854	48	25	55	16	3	854	40	25	52	17	6	852
C. less than 20 minutes	14	4	15	17	63	4	15	2	7	849	14	15	63	15	7	849	15	18	51	21	10	849
D. I rarely read at home.	17	2	6	20	63	7	22	3	9	847	17	6	63	22	9	847	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	44	28	33	43	51	10	12	3	4	857	44	33	51	12	4	857	42	27	51	15	6	853
B. agree	51	11	11	68	70	13	13	5	5	851	51	11	70	13	5	851	50	15	53	23	9	848
C. disagree	5	1	11	4	44	4	44	0	0	849	5	11	44	44	0	849	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	50	1	50	0	0	843	1	0	50	50	0	843	2	6	39	35	21	840
Optional school/SAU question																						
A.	50	0	0	1	25	2	50	1	25	840	50	0	25	50	25	840						
B.	50	0	0	1	25	2	50	1	25	838	50	0	25	50	25	838						
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	38	20	38	20	1952	13
	2007-2008	34	18	34	18	1657	11
	2008-2009	49	26	49	26	2116	15
	Cum. Total*	121	21	121	21	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	81	42	81	42	5870	38
	2007-2008	87	47	87	47	5956	40
	2008-2009	91	47	91	47	5443	38
	Cum. Total*	259	46	259	46	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	42	22	42	22	3982	26
	2007-2008	33	18	33	18	3729	25
	2008-2009	36	19	36	19	3556	25
	Cum. Total*	111	20	111	20	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	30	16	30	16	3534	23
	2007-2008	32	17	32	17	3579	24
	2008-2009	16	8	16	8	3356	23
	Cum. Total*	78	14	78	14	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	33.7	60.2	33.7	60.2	28.6	51.1
A. Number	8	14	4.3	53.8	4.3	53.8	3.7	46.3
B. Data	16	29	10.2	63.8	10.2	63.8	8.9	55.6
C. Geometry	12	21	6.1	50.8	6.1	50.8	5.0	41.7
D. Algebra	20	36	13.1	65.5	13.1	65.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 35
 School: Marshwood Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	192	49	26	91	47	36	19	16	8	851	192	26	47	19	8	851	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	1										1						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	2										2						190	8	31	26	34	836
Caucasian/White	186	49	26	89	48	34	18	14	8	851	186	26	48	18	8	851	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	19	2	11	5	26	1	5	11	58	831	19	11	26	5	58	831	2242	2	12	22	63	824
No	173	47	27	86	50	35	20	5	3	853	173	27	50	20	3	853	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	192	49	26	91	47	36	19	16	8	851	192	26	47	19	8	851	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	29	3	10	10	34	8	28	8	28	838	29	10	34	28	28	838	5270	6	30	28	36	835
No	163	46	28	81	50	28	17	8	5	853	163	28	50	17	5	853	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	192	49	26	91	47	36	19	16	8	851	192	26	47	19	8	851	14466	15	38	25	23	843
Gender																						
Female	92	23	25	43	47	18	20	8	9	850	92	25	47	20	9	850	7070	15	39	25	22	843
Male	100	26	26	48	48	18	18	8	8	851	100	26	48	18	8	851	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	192	49	26	91	47	36	19	16	8	851	192	26	47	19	8	851	13614	15	38	24	22	843
Gifted/talented program																						
Yes	9	9	100	0	0	0	0	0	0	872	9	100	0	0	0	872	700	68	27	3	1	866
No	183	40	22	91	50	36	20	16	9	850	183	22	50	20	9	850	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	1 31 57 11	0 11 32 6	0 19 29 27	0 32 48 11	0 54 44 50	2 10 21 3	100 17 19 14	0 6 8 2	0 10 7 9	840 849 852 850	1 31 57 11	0 19 29 27	0 54 44 50	100 17 19 14	0 10 7 9	840 849 852 850	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	26 50 20 4	21 25 3 0	43 27 8 0	21 48 18 0	43 51 47 0	6 16 10 4	12 17 26 57	1 5 7 3	2 5 18 43	858 852 842 821	26 50 20 4	43 27 8 0	43 51 47 0	12 17 26 57	2 5 18 43	858 852 842 821	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	29 58 11 2	12 31 5 1	21 28 24 33	29 53 8 1	52 47 38 33	13 18 5 0	23 16 24 0	2 10 3 1	4 9 14 33	850 852 847 840	29 58 11 2	21 28 24 33	52 47 38 33	23 16 24 0	4 9 14 33	850 852 847 840	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	25 60 15	3 27 19	6 24 66	24 60 6	51 53 21	12 20 4	26 18 14	8 7 0	17 6 0	843 851 864	25 60 15	6 24 66	51 53 21	26 18 14	17 6 0	843 851 864	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	36 58 6	14 34 1	20 31 9	34 51 6	49 46 55	15 19 2	22 17 18	6 7 2	9 6 18	850 852 845	36 58 6	20 31 9	49 46 55	22 17 18	9 6 18	850 852 845	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	29 45 21 5	15 21 9 4	27 24 23 40	27 44 16 4	49 51 40 40	8 14 12 2	15 16 30 20	5 7 3 0	9 8 8 0	852 851 848 856	29 45 21 5	27 24 23 40	49 51 40 40	15 16 30 20	9 8 8 0	852 851 848 856	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	3 34 46 17	0 6 29 14	0 9 33 42	4 33 39 15	67 52 45 45	1 17 15 2	17 27 17 6	1 8 4 2	17 13 5 6	841 845 853 857	3 34 46 17	0 9 33 42	67 52 45 45	17 27 17 6	17 13 5 6	841 845 853 857	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult." A. strongly agree B. agree C. disagree D. strongly disagree	56 37 5 2	34 11 2 2	32 16 22 50	49 38 3 1	46 54 33 25	17 15 2 1	16 21 22 25	7 6 2 0	7 9 22 0	853 849 844 856	56 37 5 2	32 16 22 50	46 54 33 25	16 21 22 25	7 9 22 0	853 849 844 856	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
Optional school/SAU question A. B. C. D.	50 50 0 0	0 0 0 0	0 0 0 0	1 2 0 0	25 50 0 0	1 1 0 0	25 25 0 0	2 1 0 0	50 25 0 0	831 842 0 0	50 50 0 0	0 0 0 0	25 50 0 0	25 25 0 0	50 25 0 0	831 842 0 0						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	57	30	57	30	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	93	48	93	48	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	31	16	31	16	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	12	6	12	6	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	36.3	64.8	36.3	64.8	32.0	57.1
D. The Physical Setting	31	55	19.9	64.2	19.9	64.2	17.1	55.2
D1/D2 Earth/Space	17	30	10.4	61.2	10.4	61.2	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	9.5	67.9	9.5	67.9	7.7	55.0
E. The Living Environment	25	45	16.4	65.6	16.4	65.6	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	193	57	30	93	48	31	16	12	6	853	193	30	48	16	6	853	14263	15	47	26	12	846
Ethnicity																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	1										1						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	2										2						184	9	45	29	16	842
Caucasian/White	187	57	30	90	48	30	16	10	5	853	187	30	48	16	5	853	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	20	2	10	7	35	4	20	7	35	839	20	10	35	20	35	839	2221	3	22	36	38	832
No	173	55	32	86	50	27	16	5	3	854	173	32	50	16	3	854	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	193	57	30	93	48	31	16	12	6	853	193	30	48	16	6	853	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	29	3	10	14	48	6	21	6	21	843	29	10	48	21	21	843	5184	6	40	33	21	840
No	164	54	33	79	48	25	15	6	4	855	164	33	48	15	4	855	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	193	57	30	93	48	31	16	12	6	853	193	30	48	16	6	853	14258	15	47	26	12	846
Gender																						
Female	92	19	21	49	53	19	21	5	5	851	92	21	53	21	5	851	6953	14	47	28	11	846
Male	101	38	38	44	44	12	12	7	7	854	101	38	44	12	7	854	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	193	57	30	93	48	31	16	12	6	853	193	30	48	16	6	853	13435	16	48	25	12	846
Gifted/talented program																						
Yes	9	8	89	1	11	0	0	0	0	870	9	89	11	0	0	870	699	65	34	2	0	865
No	184	49	27	92	50	31	17	12	7	852	184	27	50	17	7	852	13564	13	48	27	13	845

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	1	0	0	1	50	1	50	0	0	843	1	0	50	50	0	843	8	8	34	28	30	837
B. less than one hour	31	12	20	31	53	11	19	5	8	849	31	20	53	19	8	849	51	14	48	27	11	846
C. one to two hours	57	38	35	53	48	14	13	5	5	855	57	35	48	13	5	855	36	19	48	24	9	848
D. more than two hours	11	7	32	8	36	5	23	2	9	852	11	32	36	23	9	852	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	19	20	56	14	39	0	0	2	6	862	19	56	39	0	6	862	23	27	47	17	8	851
B. good	47	33	37	45	50	11	12	1	1	856	47	37	50	12	1	856	53	15	50	26	10	847
C. fair	28	1	2	31	57	17	31	5	9	844	28	2	57	31	9	844	20	4	43	35	18	840
D. poor	6	3	25	3	25	3	25	3	25	843	6	25	25	25	25	843	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	29	23	41	23	41	6	11	4	7	856	29	41	41	11	7	856	26	20	49	23	9	849
B. They match some of what I have learned.	49	29	31	47	49	17	18	2	2	854	49	31	49	18	2	854	51	14	48	26	11	846
C. They match just a little of what I have learned.	19	4	11	21	58	8	22	3	8	847	19	11	58	22	8	847	18	13	44	28	15	844
D. There is no match.	3	1	20	2	40	0	0	2	40	841	3	20	40	0	40	841	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	31	10	17	28	48	14	24	6	10	847	31	17	48	24	10	847	32	13	45	28	14	844
B. about the same as my regular schoolwork	58	39	36	56	51	11	10	3	3	857	58	36	51	10	3	857	56	15	49	25	11	847
C. easier than my regular schoolwork	12	8	36	8	36	4	18	2	9	851	12	36	36	18	9	851	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	38	26	36	31	43	9	13	6	8	854	38	36	43	13	8	854	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	59	29	25	61	54	20	18	4	4	853	59	25	54	18	4	853	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	2	33	1	17	2	33	1	17	847	3	33	17	33	17	847	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	20	7	18	21	55	9	24	1	3	851	20	18	55	24	3	851	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	28	15	28	31	58	4	8	3	6	854	28	28	58	8	6	854	23	17	49	22	12	847
C. the course(s) described in B, plus physics	23	26	59	14	32	3	7	1	2	861	23	59	32	7	2	861	21	31	44	17	7	852
D. a life science and physical science class	29	8	15	27	49	14	25	6	11	847	29	15	49	25	11	847	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	22	26	62	13	31	2	5	1	2	862	22	62	31	5	2	862	27	23	47	20	10	849
B. agree	38	20	27	34	47	14	19	5	7	851	38	27	47	19	7	851	37	14	47	27	12	846
C. disagree	22	9	21	27	64	3	7	3	7	853	22	21	64	7	7	853	25	11	48	29	12	845
D. strongly disagree	18	2	6	19	54	12	34	2	6	845	18	6	54	34	6	845	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	27	26	50	21	40	4	8	1	2	859	27	50	40	8	2	859	31	22	46	22	10	849
B. agree	49	26	28	45	48	17	18	5	5	854	49	28	48	18	5	854	50	14	49	26	11	846
C. disagree	17	4	13	18	56	6	19	4	13	844	17	13	56	19	13	844	14	9	45	31	15	843
D. strongly disagree	7	1	7	8	57	4	29	1	7	844	7	7	57	29	7	844	5	3	38	34	25	837
Optional school/SAU question																						
A.	50	0	0	2	50	0	0	2	50	829	50	0	50	0	50	829						
B.	50	0	0	2	50	1	25	1	25	843	50	0	50	25	25	843						
C.	0										0											
D.	0										0											

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N = Number